CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 31–35

A

Abdelal, A. T., 33:139–68
Achong, B. G., 31:421–45
Aharonowitz, Y., 34:209–33
Ahearn, D. G., 32:59–68
Alexander, M., 35:113–33
Alford, C. A., 32:285–300
Amkraut, A. A., 35:155–84
Anderson, R. P., 31:473–505
Anilionis, A., 32:519–60
Aoki, H., 34:159–81
Arnon, R., 34:593–618

B

Baresi, L., 31:309–41
Baumann, L., 31:39–61
Baumann, P., 31:39–61
Belser, L. W., 33:309–33
Blake, P. A., 34:341–67
Bowien, B., 35:405–52
Bradley, S. G., 33:67–94
Brill, W. J., 35:207–35
Bruenn, J. A., 34:49–68
Burchard, R. P., 35:497–529

C

Caldwell, H. D., 34:285–309
Campbell, A., 35:55–83
Canale-Parola, E., 32:69–99
Cerdá-Olmedo, E., 31:535–47
Chatterjee, A. K., 34:645–76
Cheng, K.-J., 35:299–324
Cohen-Bazire, G., 31:225–74
Colby, J., 33:481–517
Coronelli, C., 33:389–411
Costerton, J. W., 33:459–79; 35:299–324

D

Dalton, H., 33:481–517
Daum, S. J., 33:241–65
Davies, J., 32:469–518
Demain, A. L., 31:343–56
Doetsch, R. N., 34:69–108
Douglas, S. D., 33:267–307
Drew, S. W., 31:343–56
Drews, G., 33:215–39
Dubinina, G. A., 33:377–87
Dworkin, M., 33:595–639

E

Elwell, L. P., 34:465–96
Ensign, J. C., 32:185–219
Epstein, M. A., 31:421–45

F

Farley, J., 32:143–54
Fitzgerald, T. J., 35:29–54
Fredrickson, A. G., 31:63–87
Fryer, J. L., 35:273–98
Fulton, C., 31:597–629

G

Gander, J. E., 33:169–99
Gerba, C. P., 33:413–37
Gerhard, W., 35:185–206
Glass, T. L., 31:309–41
Gold, L., 35:365–403
Goodfellow, M., 31:159–80
Goren, M. B., 31:507–33
Grimont, F., 32:221–48
Grimont, P. A. D., 32:221–48
Grunert, R. R., 33:335–53
Gutnick, D. L., 31:379–96

H

Hancock, J. G., 35:453–76
Harold, F. M., 31:181–203
Hastings, J. W., 31:549–95
Heidelberger, M., 31:1–12
Hollis, D. G., 34:341–67
Hopwood, D. A., 32:373–92; 35:237–72
Horgen, P. A., 32:249–84
Hungate, R. E., 33:1–20

I

Irvin, R. T., 35:299–324

J

Johnson, R. C., 31:89–106
Juni, E., 32:349–71

K

Kagan, I. G., 32:329–47
Kaiser, D., 33:595–639
Kharatyan, S. G., 32:301–27
Kloos, W. E., 34:559–92
Kobayashi, G. S., 31:291–308
Kosuge, T., 35:531–65
Kreier, J. P., 35:325–38
Krulwich, T. A., 33:95–111
Kuznetsov, G. A., 33:377–87

L

Lapteva, N. A., 33:377–87
Lemke, J. R., 33:241–65
Lobel, H. O., 32:329–47
Lumb, J. R., 33:439–57
Lundgren, D. G., 34:263–83

M

Macy, J. M., 33:561–94
Maggenti, A. R., 35:135–54
Mah, R. A., 31:309–41
Manoil, C., 33:595–639
Martín, J.-F., 31:13–38
Matin, A., 32:433–68
Mayer, H., 33:215–39
McGhee, J. R., 35:595–638
McGinnis, M. R., 34:109–35
McNabb, P. C., 35:477–96
Medoff, G., 31:291–308
Melnick, J. L., 33:413–37
Michalek, S. M., 35:595–638
Minnikin, D. E., 31:159–80
Moore, R. L., 35:567–94

N

Nayak, D. P., 34:619–44
Nealson, K. H., 31:549–95
Nester, E. W., 35:531–65
Neirlich, D. P., 32:393–432

O

Okubara, M., 34:159–81
Osborn, M. J., 34:369–422

P

Parenti, F., 33:389–411
Payne, W. J., 32:155–83
Peberdy, J. F., 33:21–39
Pelliccione, N. J., 33:95–111
Pfennig, N., 31:275–90
Pike, R. M., 33:41–66
Pistole, T. G., 35:85–112
Postgate, J. R., 34:183–207
Pribnow, D., 35:365–403
Probst, I., 33:561–94

Q

Queener, S. W., 32:593–636

R

Reichenbach, H., 35:339–64
Riley, M., 32:519–60
Ristic, M., 35:325–38
Roberts, G. P., 35:207–35
Robinson, W. S., 31:357–77
Robson, R. L., 34:183–207
Rosenberg, E., 31:379–96
Roth, J. R., 31:473–505

S

Sanders, J. E., 35:273–98
Savage, D. C., 31:107–33
Schachter, J., 34:285–309
Schlegel, H. G., 35:405–52
Schmidt, E. L., 33:355–76
Schneider, T., 35:365–403
Schroth, M. N., 35:453–76
Schwarzhoff, R. H., 32:101–22
Sebek, O. K., 32:593–636
Shinedling, S., 35:365–403
Shipley, P. L., 34:465–96
Silver, J. C., 32:249–84
Silver, M., 34:263–83
Silver, S., 32:637–72
Silverman, M., 31:397–419
Simon, M. I., 31:397–419
Singer, B. S., 35:365–403
Sjoblad, R. D., 34:69–108
Smibert, R. M., 32:673–709
Smith, D. L, 32:469–518
Solomon, G. F., 35:155–84
Stanier, R. Y., 31:225–74
Stanier, R. Y., 34:1–48
Stark, A.-A., 34:235–62
Starr, M. P., 34:645–76
Stewart, W. D. P., 34:497–536
Stewart-Tull, D. E. S., 34:311–40
Stormo, G., 35:365–403
Strobel, G. A., 31:205–24
Summers, A. O., 32:637–72
Switzer, R. L., 31:135–57

T

Tomasi, T. B., 35:477–96
Tomasz, A., 33:113–37
Tonn, S. J., 33:169–99
Trentini, W. C., 32:123–41
Troy, F. A., 33:519–60

V

van Oss, C. J., 32:19–39
Vézina, C., 32:593–636
von Graevenitz, A., 31:447–71

W

Wagman, G. H., 34:537–57
Wallis, C., 33:413–37
Wang, L.-H., 32:561–92
Ward, D. M., 31:309–41
Warren, R. A. J., 34:137–58
Weaver, R. E., 34:341–67
Weckesser, J., 33:215–39
Weinstein, M. J., 34:537–57
Whitcomb, R. F., 34:677–709
Whitley, R. J., 32:285–300
Whittenbury, R., 33:481–517
Wiebe, W. J., 32:155–83
Wilkinson, H. W., 32:41–57
Williams, F. D., 32:101–22
Williams, R. C., 32:1–18
Woodruff, H. B., 35:1–28
Wu, H. C. P., 34:369–422

Y

Yewdell, J. W., 35:185–206

Z

Zeikus, J. G., 34:423–64
Zinkernagel, R. M., 33:201–13
Zuckerman, S. H., 33:267–307

CHAPTER TITLES, VOLUMES 31–35

PREFATORY CHAPTERS

A "Pure" Organic Chemist's Downward Path	M. Heidelberger	31:1–12
Spectroscopes, Telescopes, Microscopes	R. C. Williams	32:1–18
Evolution of a Microbial Ecologist	R. E. Hungate	33:1–20
The Journey, not the Arrival, Matters	R. Y. Stanier	34:1–48
A Soil Microbiologist's Odyssey	H. B. Woodruff	35:1–28

DIVERSITY AND SYSTEMATICS

Biology of the Marine Enterobacteria: Genera Beneckea and Photobacterium	P. Baumann, L. Baumann	31:39–61
The Spirochetes	R. C. Johnson	31:89–106
Nocardioform Bacteria	M. Goodfellow, D. E. Minnikin	31:159–80
Phototrophic Prokaryotes: The Cyanobacteria	R. Y. Stanier, G. Cohen-Bazire	31:225–74
Phototrophic Green and Purple Bacteria: A Comparative, Systematic Survey	N. Pfennig	31:275–90
Group B Streptococcal Infection in Humans	H. W. Wilkinson	32:41–57
Medically Important Yeasts	D. G. Ahearn	32:59–68
Motility and Chemotaxis of Spirochetes	E. Canale-Parola	32:69–99
Nature of the Swarming Phenomenon in Proteus	F. D. Williams, R. H. Schwarzhoff	32:101–22
Biology of the Genus Caryophanon	W. G. Trentini	32:123–41
Formation, Properties, and Germination of Actinomycete Spores	J. C. Ensign	32:185–219
The Genus Serratia	P. A. D. Grimont, F. Grimont	32:221–48
Genetics and Physiology of Acinetobacter	E. Juni	32:349–71
Organic Nutrition of Chemolithotrophic Bacteria	A. Matin	32:433–68
The Genus Campylobacter	R. M. Smibert	32:673–709
Catabolic Pathways of Coryneforms, Nocardia, and Mycobacteria	T. A. Krulwich, N. J. Pelliccione	33:95–111
Lipopolysaccharides of Photosynthetic Prokaryotes	J. Weckesser, G. Drews, H. Mayer	33:215–39
Population Ecology of Nitrifying Bacteria	L. W. Belser	33:309–33
Biology of Oligotrophic Bacteria	S. I. Kuznetsov, G. A. Dubinina, N. A. Lapteva	33:377–87
Members of the Genus Actinoplanes and their Antibiotics	F. Parenti, C. Coronelli	33:389–411
Biological and Biochemical Aspects of Microbial Growth on C_1 Compounds	J. Colby, H. Dalton, R. Whittenbury	33:481–517
The Biology of Gastrointestinal Bacteroides	J. M. Macy, L. Probst	33:561–94
Recent Taxonomic Developments and Changes in Medical Mycology	M. R. McGinnis	34:109–35
Chlamydiae	J. Schachter, H. D. Caldwell	34:285–309
Some Aspects of Structure and Function in N_2-Fixing Cyanobacteria	W. D. P. Stewart	34:497–536
Natural Populations of the Genus Staphylococcus	W. E. Kloos	34:559–92
The Genus Spiroplasma	R. F. Whitcomb	34:677–709
The Biology of Hemotrophic Bacteria	J. P. Kreier, M. Ristic	35:325–38
Taxonomy of the Gliding Bacteria	H. Reichenbach	35:339–64
Physiology and Biochemistry of Aerobic Hydrogen-Oxidizing Bacteria	B. Bowien, H. G. Schlegel	35:405–52

Gliding Motility of Prokaryotes: Ultrastructure, Physiology, and Genetics	R. P. Burchard	35:497–529
The Biology of Hyphomicrobium and Other Prosthecate, Budding Bacteria	R. L. Moore	35:567–94
MORPHOLOGY, ULTRASTRUCTURE, AND DIFFERENTIATION		
Bacterial Flagella	M. Silverman, M. I. Simon	31:397–419
Cell Differentiation in Naegleria gruberi	C. Fulton	31:597–629
Motility and Chemotaxis of Spirochetes	E. Canale-Parola	32:69–99
Nature of the Swarming Phenomenon in Proteus	F. D. Williams, R. H. Schwarzhoff	32:101–22
Formation, Properties, and Germination of Actinomycete Spores	J. C. Ensign	32:185–219
Fungal Protoplasts: Isolation, Reversion, and Fusion	J. F. Perberdy	33:21–39
Lipopolysaccharides of Photosynthetic Prokaryotes	J. Weckesser, G. Drews, H. Mayer	33:215–39
The Role of Electron Microscopy in the Elucidation of Bacterial Structure and Function	J. W. Costerton	33:459–79
Flagellar Structure and Function in Eubacteria	R. N. Doetsch, R. D. Sjoblad	34:69–108
The Immunological Activities of Bacterial Peptidoglycans	D. E. S. Stewart-Tull	34:311–40
Proteins of the Outer Membrane of Gram-Negative Bacteria	M. J. Osborn, H. C. P. Wu	34:369–422
Some Aspects of Structure and Function in N_2-Fixing Cyanobacteria	W. D. P. Stewart	34:497–536
Glycocalyx in Nature and Disease	J. W. T. Irvin, K.-J. Cheng	35:299–324
ANIMAL PATHOGENS AND DISEASES		
Recent Progress in Epstein-Barr Virus Research	M. A. Epstein, B. G. Achong	31:421–45
The Role of Opportunistic Bacteria in Human Disease	A. von Graevenitz	31:447–71
Group B Streptococcal Infection in Humans	H. W. Wilkinson	32:41–57
Medically Important Yeasts	D. G. Ahearn	32:59–68
The Genus Serratia	P. A. D. Grimont, F. Grimont	32:221–48
The Genus Campylobacter	R. M. Smibert	32:673–709
Laboratory-Associated Infections: Incidence, Fatalities, Causes, and Prevention	R. M. Pike	33:41–66
Cellular and Molecular Mechanisms of Action of Bacterial Endotoxins	S. G. Bradley	33:67–94
Associations Between Major Histocompatibility Antigens and Susceptibility to Disease	R. M. Zinkernagel	33:201–13
Recent Taxonomic Developments and Changes in Medical Mycology	M. R. McGinnis	34:109–35
Chlamydiae	J. Schachter, H. D. Caldwell	34:285–309
Diseases of Humans (Other Than Cholera) Caused by Vibrios	P. A. Blake, R. E. Weaver, D. G. Hollis	34:341–67
Plasmid-Mediated Factors Associated With Virulence of Bacteria to Animals	L. P. Elwell, P. L. Shipley	34:465–96
Pathogenesis and Immunology of Treponema pallidum	T. J. Fitzgerald	35:29–54
Bacterial Kidney Disease of Salmonid Fish	J. L. Fryer, J. E. Sanders	35:273–98
Immunobiology of Dental Caries: Microbial Aspects and Local Immunity	J. R. McGhee, S. M. Michalek	35:595–638
PLANT PATHOGENS AND DISEASES		
Bacterial Phytotoxins	G. A. Strobel	31:205–24
Initiation of Plant Root-Microbe Interactions	E. L. Schmidt	33:355–76
Genetics of Erwinia Species	A. K. Chatterjee, M. P. Starr	34:645–76

The Genus Spiroplasma	R. F. Whitcomb	34:677–709
Interaction of Bacteria and Fungi With Lectins and Lectin-Like Substances	T. G. Pistole	35:85–112
Nematodes: Development as Plant Parasites	A. R. Maggenti	35:135–54
Selected Topics in Biological Control	M. N. Schroth, J. G. Hancock	35:453–76
Plasmids Specifying Plant Hyperplasias	E. W. Nester, T. Kosuge	35:531–65
IMMUNOLOGY		
Phagocyte Lysosomes: Interactions with Infectious Agents, Phagosomes, and Experimental Perturbations in Function	M. B. Goren	31:507–33
Phagocytosis as a Surface Phenomenon	C. J. van Oss	32:19–39
Group B Streptococcal Infection in Humans	H. W. Wilkinson	32:41–57
Seroepidemiology of Parasitic Diseases	H. O. Lobel, I. G. Kagan	32:329–47
Dynamics of the Macrophage Plasma Membrane	S. H. Zuckerman, S. D. Douglas	33:267–307
Perspectives on the In Vivo Location of Cellular Interactions in the Humoral Immune Response	J. R. Lumb	33:439–57
The Immunological Activities of Bacterial Peptidoglycans	D. E. S. Stewart-Tull	34:311–40
Chemically Defined Antiviral Vaccines	R. Arnon	34:593–618
Pathogenesis and Immunology of Treponema pallidum	T. J. Fitzgerald	35:29–54
Psychoneuroendocrinological Effects on the Immune Response	G. F. Solomon, A. A. Amkraut	35:155–84
Antigenic Characterization of Viruses by Monoclonal Antibodies	J. W. Yewdell, W. Gerhard	35:185–206
Host Defense Mechanisms at Mucosal Surfaces	P. C. McNabb, T. B. Tomasi	35:477–96
Immunobiology of Dental Caries: Microbial Aspects and Local Immunity	J. R. McGhee, S. M. Michalek	35:595–638
VIROLOGY		
The Genome of Hepatitis B Virus	W. S. Robinson	31:357–77
Recent Progress in Epstein-Barr Virus Research	M. A. Epstein, B. G. Achong	31:421–45
Developmental Aspects of Selected Antiviral Chemotherapeutic Agents	R. J. Whitley, C. A. Alford	32:285–300
The Gene Order of Avian RNA Tumor Viruses Derived from Biochemical Analyses of Deletion Mutants and Viral Recombinants	L.-H Wang	32:561–92
Search for Antiviral Agents	R. R. Grunert	33:335–53
Concentration of Viruses from Water by Membrane Chromatography	C. Wallis, J. L. Melnick, C. P. Gerba	33:413–37
Virus-Like Particles of Yeast	J. A. Bruenn	34:49–68
Modified Bases in Bacteriophage DNAs	R. A. J. Warren	34:137–58
Chemically Defined Antiviral Vaccines	R. Arnon	34:593–618
Defective Interfering Influenza Viruses	D. P. Nayak	34:619–44
Antigenic Characterization of Viruses by Monoclonal Antibodies	J. W. Yewdell, W. Gerhard	35:185–206
CHEMOTHERAPY AND CHEMOTHERAPEUTIC AGENTS		
Biosynthesis of Polyene Macrolide Antibiotics	J.-F. Martin	31:13–38
Antifungal Agents: Recent Developments	G. S. Kobayashi, G. Medoff	31:291–308
Developmental Aspects of Selected Antiviral Chemotherapeutic Agents	R. J. Whitley, C. A. Alford	32:285–300
Extrachromosomally Determined Antibiotic Production	D. A. Hopwood	32:373–92
Plasmid-Determined Resistance to Antimicrobial Agents	J. Davies, D. I. Smith	32:469–518

Mutants Blocked in Antibiotic Synthesis	S. W. Queener, O. K. Sebek, C. Vézina	32:593–636
The Mechanism of the Irreversible Antimicrobial Effects of Penicillins: How the Beta-Lactam Antibiotics Kill and Lyse Bacteria	A. Tomasz	33:113–37
Mutational Biosynthesis of New Antibiotics	S. J. Daum, J. R. Lemke	33:241–65
Search for Antiviral Agents	R. R. Grunert	33:335–53
Members of the Genus Actinoplanes and their Antibiotics	F. Parenti, C. Coronelli	33:389–411
Natural β-Lactam Antibiotics	H. Aoki, M. Okuhara	34:159–81
Nitrogen Metabolite Regulation of Antibiotic Biosynthesis	Y. Aharonowitz	34:209–33
Antibiotics From Micromonospora	G. H. Wagman, M. J. Weinstein	34:537–57

GENETICS

Tandem Genetic Duplications in Phage and Bacteria	R. P. Anderson, J. R. Roth	31:473–505
Behavioral Genetics of Phycomyces	E. Cerdá-Olmedo	31:535–47
Chromatin in Eukaryotic Microbes	P. A. Horgen, J. C. Silver	32:249–84
Genetics and Physiology of Acinetobacter	E. Juni	32:349–71
Extrachromosomally Determined Antibiotic Production	D. A. Hopwood	32:373–92
Regulation of Bacterial Growth, RNA, Protein Synthesis	D. P. Nierlich	32:393–432
Plasmid-Determined Resistance to Antimicrobial Agents	J. Davies D. I. Smith	32:469–518
Evolution of Bacterial Genome	M. Riley, A. Anilionis	32:519–60
The Gene Order of Avian RNA Tumor Viruses Derived from Biochemical Analyses of Deletion Mutants and Viral Recombinants	L.-H. Wang	32:561–92
Mutants Blocked in Antibiotic Synthesis	S. W. Queener, O. K. Sebek, C. Vézina	32:593–636
Associations Between Major Histocompatibility Antigens and Susceptibility to Disease	R. M. Zinkernagel	33:201–13
Myxobacteria: Cell Interactions, Genetics, and Development	D. Kaiser, C. Manoil, M. Dworkin	33:595–639
Modified Bases in Bacteriophage DNAs	R. A. J. Warren	34:137–58
Mutagenicity and Carcinogenicity of Mycotoxins: DNA Binding as a Possible Mode of Action	A. A. Stark	34:235–62
Plasmid-Mediated Factors Associated With Virulence of Bacteria to Animals	L. P. Elwell, P. L. Shipley	34:465–96
Genetics of Erwinia Species	A. K. Chatterjee, M. P. Starr	34:645–76
Evolutionary Significance of Accessory DNA Elements in Bacteria	A. Campbell	35:55–83
Genetics and Regulation of Nitrogen Fixation	G. P. Roberts, W. J. Brill	35:207–35
Genetic Studies With Bacterial Protoplasts	D. A. Hopwood	35:237–72
Translational Initiation in Prokaryotes	L. Gold, D. Pribnow, T. Schneider, S. Shinedling, B. S. Singer, G. Stormo	35:365–403

GROWTH AND NUTRITION

Behavior of Mixed Cultures of Microorganisms	A. G. Fredrickson	31:63–87
Growth Yield and Efficiency in Chemosynthetic Microorganisms	W. J. Payne, W. J. Wiebe	32:155–83
Microbes as Food for Humans	S. G. Kharatyan	32:301–27
Regulation of Bacterial Growth, RNA, and Protein Synthesis	D. P. Nierlich	32:393–432

Organic Nutrition of Chemolithotrophic Bacteria	A. Matin	32:433–68
Mutational Biosynthesis of New Antibiotics	S. J. Daum, J. R. Lemke	33:241–65
METABOLISM, BIOCHEMISTRY, AND REGULATION		
The Inactivation of Microbial Enzymes In Vivo	R. L. Switzer	31:135–57
Ion Currents and Physiological Functions in Microorganisms	F. M. Harold	31:181–203
Biogenesis of Methane	R. A. Mah, D. M. Ward, L. Baresi, T. L. Glass	31:309–41
Effect of Primary Metabolites on Secondary Metabolism	S. W. Drew, A. L. Demain	31:343–56
Oil Tankers and Pollution: A Microbiological Approach	D. L. Gutnick, E. Rosenberg	31:379–96
Motility and Chemotaxis of Spirochetes	E. Canale-Parola	32:69–99
Nature of the Swarminig Phenomenon in Proteus	F. D. Williams, R. H. Schwarzhoff	32:101–22
Genetics and Physiology of Acinetobacter	E. Juni	32:239–71
Regulation of Bacterial Growth, RNA, and Protein Synthesis	D. P. Nierlich	32:393–432
Plasmid-Determined Resistance to Antimicrobial Agents	J. Davies, D. I. Smith	32:469–518
Microbial Transformations of Metals	A. O. Summers, S. Silver	32:637–72
Catabolic Pathways of Coryneforms, Nocardia, and Mycobacteria	T. A. Krulwich, N. J. Pelliccione	33:95–111
Arginine Catabolism by Microorganisms	A. T. Abdelal	33:139–68
Biosynthesis of Polysaccharides by Prokaryotes	S. J. Tonn, J. E. Gander	33:169–99
Lipopolysaccharides of Photosynthetic Prokaryotes	J. Weckesser, G. Drews, H. Mayer	33:215–39
Mutational Biosynthesis of New Antibiotics	S. J. Daum, J. R. Lemke	33:241–65
Biological and Biochemical Aspects of Microbial Growth on C_1 Compounds	J. Colby, H. Dalton, R. Whittenbury	33:481–517
The Chemistry and Biosynthesis of Selected Bacterial Capsular Polymers	F. A. Troy II	33:519–60
The Biology of Gastrointestinal Bacteroides	J. M. Macy, I. Probst	33:561–94
Flagellar Structure and Function in Eubacteria	R. N. Doetsch, R. D. Sjoblad	34:69–108
Oxygen and Hydrogen in Biological Nitrogen Fixation	R. L. Robson, J. R. Postgate	34:183–207
Nitrogen Metabolite Regulation of Antibiotic Biosynthesis	Y. Aharonwitz	34:209–33
Proteins of the Outer Membrane of Gram-Negative Bacteria	M. J. Osborn, H. C. P. Wu	34:369–422
Chemical and Fuel Production by Anaerobic Bacteria	J. G. Zeikus	34:423–64
Some Aspects of Structure and Function in N_2-Fixing Cyanobacteria	W. D. P. Stewart	34:497–536
Interaction of Bacteria and Fungi With Lectins and Lectin-Like Substances	T. G. Pistole	35:85–112
Genetics and Regulation of Nitrogen Fixation	G. P. Roberts, W. J. Brill	35:207–35
Physiology and Biochemistry of Aerobic Hydrogen-Oxidizing Bacteria	B. Bowien, H. G. Schlegel	35:405–52
Gliding Motility of Prokaryotes: Ultrastructure, Physiology, and Genetics	R. P. Burchard	35:497–529
APPLIED MICROBIOLOGY AND ECOLOGY		
Biology of the Marine Enterobacteria: Genera Beneckea and Photobacterium	P. Baumann, L. Baumann	31:39–61
Behavior of Mixed Cultures of Microorganisms	A. G. Fredrickson	31:63–87

Microbial Ecology of the Gastroinestinal Tract	D. C. Savage	31:107–33
The Inactivation of Microbial Enzymes in Vivo	R. L. Switzer	31:135–57
Biogenesis of Methane	R. A. Mah, D. M. Ward, L. Baresi, T. L. Glass	31:309–41
Effect of Primary Metabolites on Secondary Metabolism	S. W. Drew, A. L. Demain	31:343–56
Oil Tankers and Pollution: A Microbiological Approach	D. L. Gutnick, E. Rosenberg	31:379–96
Bacterial Bioluminescence	S. W. Hastings, K. H. Nealson	31:549–95
The Genus Serratia	P. A. D. Grimont, F. Grimont	32:221–48
Microbes as Food for Humans	S. G. Kharatyan	32:301–27
Microbial Transformations of Metals	A. O. Summers, S. Silver	32:637–72
Population Ecology of Nitrifying Bacteria	L. W. Belser	33:309–33
Initiation of Plant Root-Microbe Interactions	E. L. Schmidt	33:355–76
Biology of Oligotrophic Bacteria	S. I. Kuznetsov, G. A. Dubinina, N. A. Lapteva	33:377–87
Concentration of Viruses from Water by Membrane Chromatography	C. Wallis, J. L. Melnick, C. P. Gerba	33:413–37
Mutagenicity and Carcinogenicity of Mycotoxins: DNA Binding as a Possible Mode of Action	A. A. Stark	34:235–62
Ore Leaching By Bacteria	D. G. Lundgren, M. Silver	34:263–83
Chemical and Fuel Production by Anaerobic Bacteria	J. G. Zeikus	34:423–64
Bacterial Kidney Disease of Salmonid Fish	J. L. Fryer, J. E. Sanders	35:273–98
OTHER		
The Social, Political, and Religious Background to the Work of Louis Pasteur	J. Farley	32:143–54
Evolution of the Bacterial Genome	M. Riley, A. Anilionis	32:519–60
Laboratory-Associated Infections: Incidence, Fatalities, Causes, and Prevention	R. M. Pike	33:41–66
The Role of Electron Microscopy in the Elucidation of Bacterial Structure and Function	J. W. Costerton	33:459–79
Why Microbial Predators and Parasites Do Not Eliminate Their Prey and Hosts	M. Alexander	35:113–33